# STANDARDIZED SCOPE OF SERVICES AND WORK HOUR ESTIMATE FORMS FOR CONSULTANT SERVICES

#### **Printing Instructions**

This scoping workbook is formatted to print every needed tab at once rather than printing each tab individually. You may wish to print these instructions first before continuing.

Once all data has been entered and the package is ready to be printed or published to a PDF file, follow these steps.

#### **For Cost Plus Contracts**

- 1. Click Form 1.1.
- 2. While holding the SHIFT key, click on the Form 1.4 tab then the Cost Plus tab.
- 3. Release the SHIFT key and print as usual.

#### **For Lump Sum Contracts**

- 1. Click Form 1.1.
- 2. While holding the Shift key, click on the Form 1.4 tab.
- 3. Press down the CTRL key and select the Lump Sum tab.
- 4. Release everything and then print as usual.

# STANDARDIZED SCOPE OF SERVICES AND WORK HOUR ESTIMATE FORMS FOR CONSULTANT SERVICES

#### **Revision Notes**

#### **Revisions Effective November 2013**

Form 1.3 Work Hour Estimate - Task Names revised to match the Standard Task Descriptions as provided in Division II of the Standard Provisions for Consultant Contracts, revised 5/2013 as further amended by the Special Provisions for Consultant Contracts, revised August 2013.

#### **Revisions Effective May 2013**

Form 1.3 Work Hour Estimate - Task Names revised to match the Task Names as provided in Division II of the Standard Provisions for Consultant Contracts, revised 5/2013.

#### **Revisions Effective March 2011**

Form 1.1 Project Description was updated to reflect pavement design and traffic signal boring task requirements in the Project Definition Narrative and in the Traffic Work Item.

Form 1.2 Environmental Scope was updated to reflect the replacement of PGP permits with MGP permits, review requirements for Section 106/Chapter 91 and Chapter 254 permits, NPDES requirements, and MESA coordination responsibilities.

Form 1.3 Work Hour Estimate. Tasks realigned with their Task Descriptions as provided in the STANDARDIZED SCOPE OF SERVICES GUIDANCE FOR PREPARING WORKHOUR ESTIMATE FORMS FOR CONSULTANT SERVICES, revised 3/2011.

### **SCOPING WORKBOOK Form1.1 Project Definition**

City/Town			Contract No.:	0	
Location:				Assignment No.:	
Revisions Effective N	Jovember 2013	BIN:		ProjInfo No.:	
MassDOT Section		Est. Constr. Cost:		PARS No.:	
Consultant:		Project Manager:		District:	
Date:	Rev Date:	Rev Date:	Rev Date:	Rev Date:	Rev Date:

PROJECT DEFINITION NARRATIVE
PROJECT TYPE CODE: \_\_\_ PROJECT TYPE: \_\_\_

The project scope shall be developed in accordance with Chapter 2 of the Project

Development and Design Guide. This will ensure that the proposed scope of work is complete and appropriate.

Services include design for highway related projects such as construction or reconstruction; design for bridge related projects such as a new bridge, bridge replacement, or bridge reconstruction/rehabilitation of Bridge #...carrying ... over ....

Services include design for roadway construction/reconstruction from Sta. ... to Sta. .... The existing roadway has a curb to curb width of ... feet with sidewalks/no sidewalks. The proposed roadway curb to curb width is ... feet with sidewalks/no sidewalks.

The existing bridge is a ... -foot long ... structure.

The existing bridge, constructed in 19.., and reconstructed in 19.. has a curb to curb width of ... feet with sidewalks/no sidewalks.

The proposed bridge curb to curb width is ... feet with sidewalks/no sidewalks.

Transition approach roadways into new bridge.

Provide a Functional Design Report (draft copy prior to the Public Hearing).

Pavement cores and soil samples for Pavement Design may be required during design. This is the responsibility of the Design Consultant and may be done as a direct expense.

Borings for traffic signals may be required and must be performed during design. This is the responsibility of the Design Consultant and may be done as a direct expense.

Bridge to be constructed within/outside existing right of way.

Maintain vehicular/pedestrian traffic during construction by means of stage construction/detour.

A Traffic Management Plan (TMP) is required.

An hydraulic study shall be done by MassDOT or the Consultant to verify the bridge opening for bridges over water.

Sampling and analyses of sediment for a Water Quality Certificate may be required. This is the responsibility of the Design Consultant and may be done as a direct expense.

Refer to Exhibit C - Bridge Scope of Consultant Services, enclosed herein, dated 00/00/00.

WORK ITEM	DESCRIPTION	STATUS
Functional Design Report	Describes existing conditions, evaluates alternatives, and recommends proposed geometrics.	
Design Exception	Describes reasons for requesting a design exception and forms the basis for a Design Exception Report.	
Typical Cross Section	a) Mainline b) Side Streets	
Design Speed	a) Mainline b) Side Streets	
Project Lengths	a) Mainline b) Ramps b) Side Streets	

# **SCOPING WORKBOOK Form1.1 Project Definition**

City/Town Location:		Contract No.: 0 Assignment No.:
Revisions Effective November 2013	BIN:	ProjInfo No.:
WORK ITEM	DESCRIPTION	STATUS
	) D + C 11 +:	
Survey	<ul><li>a) Data Collection</li><li>b) Base Plan Preparation</li></ul>	
	base Fian Freparation	
	a) Boring Location Plan	
	b) Take Borings	
Geotechnical	c) Test Pits	
	d) Geotechnical Report	
	e) Boring Logs and Plans	
Drainage	(Open/Closed)	
Hydraulia	Hydrauliaa Danart	
Hydraulics	Hydraulics Report	
Wetlands	a) Delineation	
Wellands	b) Flagging Survey	
Landscaping		
Landscaping		
	a) Traffic Counts	
	b) TMP/Detour	
	c) Safety Analysis	
Traffic	d) Signals (borings may be required)	
	e) Signs/Supports	
	f) Markings	
	g) TCA h) Lights	
	ii) Lights	
	a) Takings	
ROW	b) Easements	
	c) Demolitions	
	d) Relocations	
	a) Electric	
	b) Telephone	
	c) Gas	
	d) Water	
Utilities	e) Sewer	
	f) Cable	
	g) Fire Alarm	
	h) MBTA/RR	
	i) Street Lighting	

# **SCOPING WORKBOOK Form1.1 Project Definition**

City/Town				Contract No.:	0
Location:				Assignment No.:	
Revisions Effective N	November 2013	BIN:		ProjInfo No.:	
WOR	RK ITEM	DES	CRIPTION	STATUS	
Bridge	Appr. Width Rail to Rail	Curb to Curb Width	Span Configuration		
Exist:					
Proposed:		Refer to detailed Bridg	ge Scope		
				D. C. Iv.	
Public Hearing				By Consultant	
		a) Pre-Construction		By Consultant	
		b) Advice		By Consultant	
Construction Phase		c) Shop Drawings		By Consultant	
Construction i hase		d) Signal Inspection			
		e) Permit Plan			
		f) Bridge Rating Repo	ort ("As Built" structure)	By Consultant	

City/Town	0	Project Type
Location:	0	5
Revisions Effective November	er 2 0	
MassDOT Section	0	
Consultant:	0	
FILING PERMIT	REGULATORY THRESHOLD	STATUS
NEPA	FHWA	
EIS	Thresholds determined by Categorical Exclusion Checklist	
EA		
CE		0
	More than 1 acre of impacts to U.S. waters.	
Individual ACOE Permit	Maintenance dredging of more than 25,000 c.y. or any amount in a special aquatic site such as salt marshes, mudflats, pools and riffles, and vegetated shallows.	
	More than 5,000 s.f. but under 1 acre of cumulative impacts to U.S. waters.	
	Maintenance dredging of more than 1,000 c.y. but less than 25,000 c.y. not in a	
MGP II	special aquatic site.  Work within the confines of a wild and scenic river.	
MGF II	Temporary fill and excavation up to 1 acre in Special Aquatic Sites including salt	
	marsh.  Work in essential fish habitat.	
	Under 5,000 s.f. of cumulative impacts to U.S. waters.	
	In stream work limited from July 1 till October 1.	
	Maintenance dredging less than 1,000 c.y. not in a Special Aquatic Site.	
MGP I	River, stream and brook work and crossings comply with the Stream Crossing Standards (GC21).	
	No impacts to Special Aquatic Sites or Essential Fish Habitat, including vernal pools.	
	Project does not have the potential for an effect on a historic property within the permit area or any know historic property that may occur outside the permit area.	
	Under 5,000 s.f. of cumulative impacts to U.S. waters.	
	Not crossing a Federally-designated Wild and Scenic River.	
	No work on Corps properties and Corps-controlled flood easements such as the Charles River Natural Valley Storage Area, that would impair the usefulness of a federal project or involve changes to the federal project's scope, purpose, and/or function.	
	Proposed low chord cannot intersect the 10-year flood elevation.	
	•	
	Cannot be identified by the Massachusetts Office of Coastal Zone Management as potentially causing restrictions to tidal flow.  No imports to any federally listed endangered species or their hebitat.	
	No impacts to any federally listed endangered species or their habitat.  The project does not have a potential for an effect on a historic property within the permit area unless impacts have been addressed pursuant to the Programmatic	
	Agreement between Federal Highway Administration and the State Historic	
СРВ	Presevation Officer or any subsequent Corps of Engineers PA to satisfy the requirements of Section 106 of the National Historic Preservation Act.	
	Proposed open span waterway width at ground level cannot be less than the existing structure's span. This qualification does not apply if the new span width is at least 1.2 times the geomorphic bank full width of the stream.	
	Proposed bridge span or arch span cannot constrict the flow over a bedrock dominated streambed and result in impassable stream flow velocities.	
	There cannot be a dam or other structural element (other than a bridge abutment or pier) that obstructs the channel within the footprint of the proposed bridge span or	
	Proposed "bridge" that consists of a culvert cannot be rated as a moderate or severe barrier to aquatic organism passage. A moderate or severe barrier is a structure with a Crossing Rating of less than 3, based on an evaluation using the "MassDOT Stream Crossing Structures Rating Chart."	
	USCG	
	Required for work in commercially navigable (includes historic usage) or tidal waterways where there is a change in the hydraulic opening of the bridge.	
Coation 0 CC D	TOTTAN A	
Section 9 CG Permit	FHWA	

City/Town	0	Project Type
Location:	0	
Revisions Effective November 2	0	
MassDOT Section	0	
Consultant:	0	
FILING PERMIT	REGULATORY THRESHOLD	STATUS
	STURAA approval may be granted to coastal bridge projects with federal funds allocated toward construction where the navigational opening remains unchanged	

City/Town	0	Project Type
Location:	0	Troject Type
Revisions Effective November 2	2	
MassDOT Section	0	
Consultant:	0	
FILING PERMIT	REGULATORY THRESHOLD	STATUS
	EPA	
NPDES CGP	Designer to include Contract Item 756 to address this work to be done by the Contractor. The National Pollution Discharge and Elimination Systems Program is administered by EPA and requires the filing of an NOI and the preparation of an SWPPP for projects involving construction projects with 1 or more acres of earth disturbance. The NOI is a form which the contractor must complete and file with EPA at least 48 hours prior to the start of construction.	
NPDES MS4 - WQDF	The Water Quality Data Form is a tool used to ensure compliance with Section 303 regulations of the Clean Water Act. The form is comprised of two portions: 25% Design and 75% Design. The 25% Design portion highlights the impairment status of the receiving waterbody and offers recommendations pertaining to BMP upgrades; the 75% Design portion documents the existing and proposed BMPs within the project area which contribute to improved stormwater quality	
	FHWA	
Section 4(f) Evaluation	Section 4(f) Evaluations & Approvals for FHWA projects that necessitate the use of publicly owned land such as a public park, recreation area, or a wildlife and waterfowl refuge or land of an historic site of national, state or local significance.	
	MCZM	
MCZM Concurrence	Work in water within the coastal zone when at least a MGP II or a Coast Guard Permit is required. Also will require concurrence when MEPA thresholds are triggered.	
EIR	Constructing a new road 2 or more miles in length.  Widening an existing road by 1 or more travel lanes for 2 or more miles.  New interchange on a completed limited access highway.  Requiring a variance from the WPA.  Altering 1 or more acres of Salt Marsh or BVW.  Altering 10 or more acres of other wetlands.  Altering 50 or more acres of land.  Creating 10 or more acres of impervious area.	
ENF	Widening 4 feet or more for a half mile or more.  Cutting 5 or more mature living public shade trees (not trees within State Highway Layout) 14" or more in diameter @ breast height.  Altering bank or terrain 10 ft or more from the edge of pavement for 1/4 mile or more except for the installation of structures such as sidewalks, drainage systems, etc.  Work in an ACEC.  Altering 5,000 s.f. or more of BVW.  Eliminating 300 linear feet of stone wall.  Creation of 5 or more acres of impervious area.  Direct alteration of 25 or more acres of land.  Conversion of land in active agricultural use to non-agricultural use.  Conversion of land held for natural resources purposes in accordance with Article 97.  Construction of 300 or more new parking spaces at a single location.  A Notice of Project Change is required whenever there is a material change (positive or negative) in a project prior to the taking of all agency actions for the project. The MEPA regulations specify the factors which the Secretary may consider in determining whether changes to a project are significant. Proponents should refer to Section 11.10 of the MEPA regulations for greater detail.	
	LOCAL CONSERVATION COMMISSION	
RDA	Required when work/activity will occur within 100 feet from the edge of BVW, LUW, Bank, etc. or sometimes within riverfront area especially 100-200 feet from a perennial stream or river.	
NOI	Under the WPA, required when proposing direct activity in or having an impact on resource areas subject to protection, including BVW, LUW, Bank, RFA, BLSF, ILSF, etc.	

City/Town	0	Project Type
Location:	0	
Revisions Effective November 2	0	
MassDOT Section	0	
Consultant:	0	
FILING PERMIT	REGULATORY THRESHOLD	STATUS
	SHPO	
Section 106	All projects using federal funding, liscencing, or approval require review for potential impacts/effects on properties listed in, or eligible for listing in, the National Register of Historic Places. This review is handled by Environmental Services Cultural Resources Unit.	
	MHC	
Chapter 254	All projects undertaken, funded, or approved by a state body require review for potential impacts/effects on properties listed in the State Register of Historic Places. This review is handled by Environmental Services Cultural Resources Unit. (Completed project review under Section 106 will ordinarily fulfill the requirements of compliance with Chapter 254).	
	MASSACHUSETTS DIVISION OF FISHERIES AND WILDLIFE	
MESA	If the project is located within a MNHESP Priority Habitat polygon, Environmental Services Wetlands Unit will coordinate with MNHESP.	
	DEP	
	If under 5,000 s.f. of cumulative impacts, WQC is considered automatic with the issuance of an OOC.	
woo	More than 5,000 s.f. of cumulative impacts.	
WQC	More than 100 c.y. of dredging.  Any impacts associated with Dridge Projects that are example from the WDA	
	Any impacts associated with Bridge Projects that are exempt from the WPA.  Work within an ORW.	
	Any work requiring an Individual ACOE permit.	
WQC SF	Expedited 42 day DEP review and permit issuance on Footprint Bridge projects may be sought provided certain criteria are met and provided DEP agrees to the expedited review.	
CH 91 Permit	Activities requiring a permit include beach nourishment and dredging within jurisdictional areas.	
	Lowering the water level of a Great Pond.	
	Bridge projects subject to the Footprint Bridge Exemption are exempt from CH 91.	
	Maintenance projects are exempt from CH 91.	
	CH 91 applies to all waterways including Great Ponds (10 or more acres in size), the	
	Connecticut River, sections of the Westfield River, non-tidal portions of the	
	Merrimack River, and any non-tidal river or stream on which public funds have been	
	expended for stream clearance, channel improvement, or any form of flood control	
CH 91 License	or prevention work, either upstream or downstream within the river basin, except for	
	any portion of any such river or stream which is not normally navigable during any	
	season by any vessel including a canoe, etc. and work in all filled tidelans except landlocked tidelands and all filled lands lying below the natural high water mark of Great Ponds.	
	Activities requiring a license include any construction, placement, excavation, addition, improvement, replacement, reconstruction, demolition or removal of any fill or structures, not previously authorized.	

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		Alternative(s) Identification								
		Analysis & Report Prepa								
105	Project Desig	n Schedule Developmen	SUBTOTAL							
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151	Early Enviror	nmental Coordination De	esign Submission Checklist					<del></del>	-	
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153	Reserved									
154	Hazardous M	laterials Research/Review	V							
155	Project Devel	lopment Meetings and H	earings							
156	NEPA/MEPA	A Determination								
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169	Reserved									
170	USACE Sect	ion 404 General Permit (	PGP)							
171	USACE Indiv	vidual Section 404 Perm	it							
172	U.S. Coast G	uard Bridge Permit								
	_	c Section 4(f) Evaluation								
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		Management Consisten	cy Review							
		Species Assessment	-							
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187	Impaired Wa	terbody Assessment and	Water Qulaity Data Form							
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201 Establish Purpose and Need		110	1111	J. J.	Ling	7112	21	101112
202 Public and Agency Outreach								
203 Evaluate Existing Conditions / Context								
204 Prepare Traffic Volumes								
205 Conduct Safety Analysis								
206 Evaluate Signal Warrants								
207 Operational Analysis for Existing Condition								
<ul><li>208 Establishment of Basic Design Controls and</li><li>209 Development of Alternatives</li></ul>	Evaluation Criteria							
210 Operational Analysis for Future Conditions								
211 Preferred Alternative								
212 Complete Streets								
213 GreenDOT								
214 Traffic Management								
215 Construction Cost								
216 Conclusion and Recommendation								
217 Report Preparation	AV							
	SUBTOTAL							
	SE	CTION 22	20					
	DESIGN EX			<u>Γ</u>				
		PIC	PM	SE	Eng	AE	ET	TOTAL
221 Evaluate 13 Controlling Criteria								
222 Perform Incremental Evaluation								
223 Prepare Narrative/Report								
	SUBTOTAL							
	SUBTUTAL							
	SE	CTION 2	<u>30</u>					
INTERCH	ANGE JUSTIFICATION	N / MODI	CIFATIO	N REPORT	(IJR / IMI	<u>R)</u>		
		PIC	PM	SE	Eng	AE	ET	TOTAL
231 Prepare an IJR/IMR								
SUBTOTAL			-					
	SE	CTION 3	00					
	25% HIGHWAY			SION				
		PIC	PM	SE	Eng	AE	ET	TOTAL
301 Project Initiation and Data Compilation								
302 Utility Coordination								
303 Survey Coordination and Controls								
304 Base Plans, Profiles and Typical Sections								
305 Field Reconnaissance								
306 Plot Existing Layout Lines								
307 Meetings and Liaison 308 Determine Roadway Cross Section								
309 Preliminary Horizontal Geometry								
310 Preliminary Vertical Geometry								
311 Cross Section Studies								
312 Prepare Cross Sections								
313 Plot Proposed Layout and Easements								
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City/Town					Contract N	o.:			
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314 Pavement De									
315 Typical Section									
316 Construction	Studies and Hydraulics Rep	ort							
	Drainage and Utility Studies	oort							
319 Lane Config									
320 Traffic Signa									
	vement Markings								
322 Traffic Mana	gement								
323 Reserved									
324 Constructabi	<u>-</u>								
-	rol (QC) Review								
	Construction Estimate								
327 Submission (328 Modification	s and Revisions								
328 Modification 329 Value Engine									
	Contract Time Determination	 nn							
331 Incentives/D									
		SUBTOTAL							
			ECTION 35						
	T	<u>DESIGN 1</u>			gr.			D.T.	TOTAL
352 Hearing Prep	paration		PIC	PM	SE	Eng	AE	ET	TOTAL
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333 Design ruon	e ricumg								
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		75% HIGHWA	1						
401 Response to	25% Comments		PIC	PM	SE	Eng	AE	ET	TOTAL
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	aison and Coordination								
404 Utility Coord									
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406 Final Vertica	l Design Geometrics								
407 Pavement De	esign								
408 Typical Cros									
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422	Miscellaneous Contract Plans								
423	Quantity & Cost Estimate (Weighted Average Bid Application	on)							
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425									
	Bottom Up Estimate and Reconciliation (if required)								
427 428									
	Incentives/Disincentives with Road User Calculation								
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501	Preliminary Right of Way Plans								
502	Layout Plans and Order of Taking								
503	Written Instrument								
504	Final Right of Way Plans								
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	Research Available Subsurface Data								
	Field Reconnaissance								
	Subsurface Investigation Inspection								
	Geotechnical Report								
608	Final Plans, Specifications and Estimates								
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701	Field Investig	gation									
702	Determine B	ridge Configurations									
703	Preliminary S	Structural Analysis									
704		Design and Cost Analyses									
705		Structures Report Preparation	1								
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712	Reserved										
713	Sketch Plan I	Development									
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754	Contract Dra	wings									
755	First Review	Submission									
756	Quantity Cos	t Estimates									
	Special Provi										
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			SEC	CTION 80	<u>)0                                    </u>						
			PS&E	<b>SUBMIS</b>	SION						
L				PIC	PM	SE	Eng	AE	ET	TOTAL	
801	Respond to 1	00% Comments									
802		s, Specifications and Estima	te								
	Prepare Deta										
804											
	25 Quality Control (QC) Review										
			te Reconciliation (if required	<u> </u>							
		struction Contract Time Deta		• /					1		
		ntives/Disincentives	orininatiOii								
808	rmanze ince	nuves/Disincentives									
<u> </u>			OLIDMOM ( *		<u> </u>						
			SUBTOTAL								
1									İ		

City/Town						Contract No.:				
Location:						Assignment No.:				
Revis	Revisions Effective					ProjInfo No.:				
			SE	CTION 90	0					
			<u>CONSTRUC</u>	ΓΙΟΝ ENC	SINEERIN	I <u>G</u>				
				PIC	PM	SE	Eng	AE	ET	TOTAL
901	Pre-Bid Servic	ees								
902	902 Pre-Construction Conference									
903	903 Highway Shop Drawings and Signal Permit									
904	904 Bridge and Wall Shop Drawings									
905	Bridge Constru	uction Procedures								
906	906 Furnishing Advice and Field Visits									
907	907 Geotechnical Construction Evaluation									
908	Bridge Rating									
			SUBTOTAL	-	_	_	_	_		

# **SCOPING WORKBOOK Form 1.4 Summary Table**

City/Town (	)				Contract N	0.:	0		
Location:		ı	1	Assignmen		0			
				ProjInfo N	0.:	0			
tive November 2013									
	<u>H0</u>	DURLY R	ATE SUM	<u>MARY</u>		Γ	Γ		
					~-	_	. –		
	(A) (D : )		PIC	PM	SE	Eng	AE	ET	
DIRECT HOURLY RATE	. , ,		\$51.00	\$51.00	\$46.75	\$37.18	\$35.66	\$27.04	
DIRECT HOURLY RATE	, , ,		\$51.00	\$51.00	\$46.75	\$37.18	\$35.66	\$27.04	
HOURLY RATE (\$) (Des	<u> </u>		\$145.40	\$145.40	\$133.28	\$106.00	\$101.66	\$77.09	
HOURLY RATE (\$) (Cons	struction)		\$145.40	\$145.40	\$133.28	\$106.00	\$101.66	\$77.09	
	WODA	Z HOUD A	ND FEE S	IIMM A DX	J				
	WORK	HOUR A	ND FEE S	UMIMAK	<u>r</u>				
	ASK DESCRIPTION	PIC	PM	SE	Eng	AE	ET	Task Hour	Task Fee
100 PROJECT DEVELO	PMENT ENGINEERING	0	0	0	0	0	0	0	\$ -
150 ENVIRONMENTAL		0	0	0	0	0	0	0	\$ -
200 FUNCTIONAL DES	IGN REPORT	0	0	0	0	0	0	0	\$ -
220 DESIGN EXCEPTION	N REPORT	0	0	0	0	0	0	0	\$ -
230 INTERCHANGE JUS	STIF./MODIF. REPORT	0	0	0	0	0	0	0	\$ -
300 25% HIGHWAY DE	SIGN SUBMISSION	0	0	0	0	0	0	0	\$ -
350 DESIGN PUBLIC H	EARING	0	0	0	0	0	0	0	\$ -
400 75% HIGHWAY DE	SIGN SUBMISSION	0	0	0	0	0	0	0	\$ -
450 100% HIGHWAY D	ESIGN SUBMISSION	0	0	0	0	0	0	0	\$ -
500 RIGHT OF WAY		0	0	0	0	0	0	0	\$ -
600 GEOTECHNICAL D	ESIGN	0	0	0	0	0	0	0	\$ -
700 PROJECT DEVELO		0	0	0	0	0	0	0	\$ -
710 SKETCH PLANS			0	0	0	0	0	0	\$ -
750 FINAL BRIDGE DE	SIGN	0	0	0	0	0	0	0	\$ -
800 PS&E SUBMISSION		0	0	0	0	0	0	0	\$ -
900 CONSTRUCTION E		0	0	0	0	0	0	0	\$ -
		<u> </u>		-					<u> </u>
	TOTAL WORK-HOURS	0	0	0	0	0	0	0	
								OTAL FEE	\$ -
									<del>*************************************</del>
	ACTUAL PERCENTAGES	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
	(TYPICAL PERCENTAGES)		10-15%	15-25%	25-35%	10-15%	10-15%		
	(TITICAL TERCENTAGES)	1-370	10-13/0	13-23/0	23-3370	10-13/0	10-13/0		
				DES	SIGN	CONSTR	LUCTION		TOTALS
(a) Salary Costs				\$	-	\$	-		\$ -
(b) Indirect Costs (%)	155.00%			\$	_	\$	_		\$ -
(1) 11111000 00000 (70)	155.5070			¥		*			Ψ
(c) Net Fee (%)	11.80%			\$	_	\$	-		\$ -
TOTAL LIMITING FEE				\$	_	\$	_		\$ -
TO THE EMITTING LED				¥		Ψ			<u>-</u>
(d) Direct Expenses				\$	-	\$	-		\$ -
MAXIMUM PAYMENT AMOUNT				\$	_	\$	_		\$ -
									· 
MANIMALIM ODLICATION	AT .								•
MAXIMUM OBLIGATIO	IN .						SAY		\$ - \$ -
			<u> </u>				SAY		\$ -

## **SCOPING WORKBOOK**

		EXHIBIT B					
Contract No #		BUDGET - COST PLUS					
0							
		PRELIMINARY	CONSTRUCTION	TOTALS			
		ENGINEERING	ENGINEERING	TOTALS			
(a) Salary Costs		\$0.00	\$0.00	\$0.00			
(b) Indirect Costs	155.00%	\$0.00	\$0.00	\$0.00			
(c) Net Fee	11.80%	\$0.00	\$0.00	\$0.00			
TOTAL LIMITI	NG FEE	\$0.00	\$0.00	\$0.00			
(d) Direct Costs		\$0.00	\$0.00	\$0.00			
MAX PAYMENT	AMOUNT	\$0.00	\$0.00	\$0.00			
MAXIMUM OBL	IGATION			\$0.00			

## **SCOPING WORKBOOK**

		EXHIBIT B		
Contract No #				
0				
		PRELIMINARY	CONSTRUCTION	TOTALS
		ENGINEERING	ENGINEERING	TOTALS
(a) Salary Costs			\$0.00	\$0.00
(b) Indirect Costs	155.00%		\$0.00	\$0.00
(c) Net Fee	11.80%		\$0.00	\$0.00
TOTAL LIMITI	NG FEE	\$0.00	\$0.00	\$0.00
(d) Direct Costs		\$0.00	\$0.00	\$0.00
MAX PAYMENT	AMOUNT	\$0.00	\$0.00	\$0.00
MAXIMUM OBL	IGATION			\$0.00